

ABSTRACT

According to the process for coating metal substrates, a light-sensitive (or photo-sensitive) bonding material, such as an emulsion or a photopolymer film, is used to adhere metal directly to a substrate to provide various forms of metal coatings on the substrate. The light-sensitive bonding material is generally applied directly between the substrate and the metal layer. The light-sensitive bonding material is applied under conditions (e.g., lighting and temperature) that prevent premature curing of the light-sensitive bonding material. The light-sensitive bonding material applied between the substrate and metal is then dried and exposed to light to cure the light-sensitive bonding material in selected areas, causing the metal to adhere to the substrate in the selected areas.